

CURRENT STATUS OF THE CLAIMS**In the Claims**

The following is a marked-up version of the claims with the language that is underlined (“ ”) being added and the language that contains strikethrough (“”) being deleted:

1. (Currently Amended) A solid freeform fabrication system for producing a three-dimensional object, comprising:
 - a dispensing system ~~adapted to dispense~~ including a radiation initiator and a build material, the radiation initiator and the build material being stored separately in the dispensing system, the radiation initiator and the build material being dispensed separately; and
 - a curing system operative to cure the radiation initiator and the build material after each have been dispensed, wherein the curing system comprises an ultraviolet curing system.
2. (Original) The solid freeform fabrication system of claim 1, wherein the dispensing system includes at least one ink-jet printhead.
3. (Original) The solid freeform fabrication system of claim 2, wherein a first ink-jet printhead includes the radiation initiator in a first compartment and the build material in a second compartment.
4. (Original) The solid freeform fabrication system of claim 2, wherein a first ink-jet printhead includes the radiation initiator and a second ink-jet printhead includes the build material.
5. (Original) The solid freeform fabrication system of claim 1, wherein the radiation initiator is an ultraviolet (UV) initiator.
6. (Original) The solid freeform fabrication system of claim 5, wherein the UV initiator has a viscosity less than 70 centipoise at a temperature below about 200°C.

7. (Original) The solid freeform fabrication system of claim 5, wherein the UV initiator has a viscosity less than 20 centipoise at a temperature below about 120°C.
8. (Original) The solid freeform fabrication system of claim 5, wherein the UV initiator is selected from a free radical initiator, a cationic initiator, and combinations thereof.
9. (Original) The solid freeform fabrication system of claim 5, wherein the UV initiator includes a colorant.
10. (Original) The solid freeform fabrication system of claim 1, wherein the build material has a viscosity less than 70 centipoise at a temperature below about 200°C.
11. (Original) The solid freeform fabrication system of claim 1, wherein the build material has a viscosity less than 20 centipoise at a temperature below about 120°C.
12. (Original) The solid freeform fabrication system of claim 1, wherein the build material is selected from acrylic compounds, compounds having one or more epoxy substituents, one or more vinyl ether substituents, vinylcaprolactam, vinylpyrrolidone, norbornenes, urethanes, and combinations thereof.
13. (Original) The solid freeform fabrication system of claim 1, wherein the build material includes a dye.
14. (Original) The solid freeform fabrication system of claim 1, further comprising a computer control system operative to control the dispensing system and the curing system.
- 15-27. (Canceled)